UTILITY PATENT APPLICATION ATTORNEY DOCKET NO. 024.0018

ABSTRACT

Methods and apparatuses are provided for preventing de-bonding of insulation from a propellant container surface. When assembled to a propellant container, the container includes a substrate having an outer surface, a base material having an overall rough outer surface relative to the outer surface of the substrate, and an adhesive material adhering the base material to the substrate. Alternately, the base material may be welded to the outer surface of the substrate.